

What is claimed is:

1. A constant velocity joint comprising:

an outer race including an opening defining an inner surface having a plurality of grooves formed therein;

5 an inner race defining an outer surface having a plurality of grooves formed therein, each of said inner race grooves being associated with a corresponding one of said outer race grooves;

a cage extending between said outer race and said inner race, said cage having an outer surface, an inner surface, and a plurality of ball receiving apertures that
10 extend between said outer surface and said inner surface, each of said ball receiving apertures being associated with a corresponding one of said associated grooves of said outer race and said inner race;

a web provided on one of said (a) outer surface of said inner race that engages said inner surface of said cage, (b) inner surface of said cage that engages said outer
15 surface of said inner race, (c) outer surface of said cage that engages said inner surface of said outer race, and (d) inner surface of said outer race that engages said outer surface of said cage; and

a ball disposed in each of said ball receiving apertures of said cage and extending into said associated grooves of said outer race and said inner race.

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2. The constant velocity joint defined in Claim 1 wherein said web is provided on said outer surface of said inner race and engages said inner surface of said cage.

25 3. The constant velocity joint defined in Claim 1 wherein said web is provided on said inner surface of said cage and engages said outer surface of said inner race.

4. The constant velocity joint defined in Claim 1 wherein said web is provided on said outer surface of said cage and engages said inner surface of said outer race.

5 5. The constant velocity joint defined in Claim 1 wherein said web is provided on said inner surface of said outer race that engages and outer surface of said cage.

10 6. The constant velocity joint defined in Claim 1 wherein said web extends generally parallel relative to an axis of rotation of the constant velocity joint.

7. The constant velocity joint defined in Claim 1 wherein said web extends generally circumferentially relative to an axis of rotation of the constant velocity joint.

15 8. The constant velocity joint defined in Claim 1 wherein said web extends generally helically relative to an axis of rotation of the constant velocity joint.

9. The constant velocity joint defined in Claim 1 wherein said web extends generally diagonally relative to an axis of rotation of the constant velocity joint.

20 10. The constant velocity joint defined in Claim 1 wherein a plurality of webs are provided on one of said (a) outer surface of said inner race that engages said inner surface of said cage, (b) inner surface of said cage that engages said outer surface of said inner race, (c) outer surface of said cage that engages said inner surface
25 of said outer race, and (d) inner surface of said outer race that engages said outer surface of said cage.

11. The constant velocity joint defined in Claim 10 wherein each of said webs extends generally parallel relative to an axis of rotation of the constant velocity joint.

5 12. The constant velocity joint defined in Claim 10 wherein each of said webs extends generally circumferentially relative to an axis of rotation of the constant velocity joint.

10 13. The constant velocity joint defined in Claim 10 wherein each of said webs extends generally helically relative to an axis of rotation of the constant velocity joint.

15 14. The constant velocity joint defined in Claim 10 wherein each of said webs extends generally diagonally relative to an axis of rotation of the constant velocity joint.